

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1526921

Luminaire Tested: 24CGTX-65-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-65-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

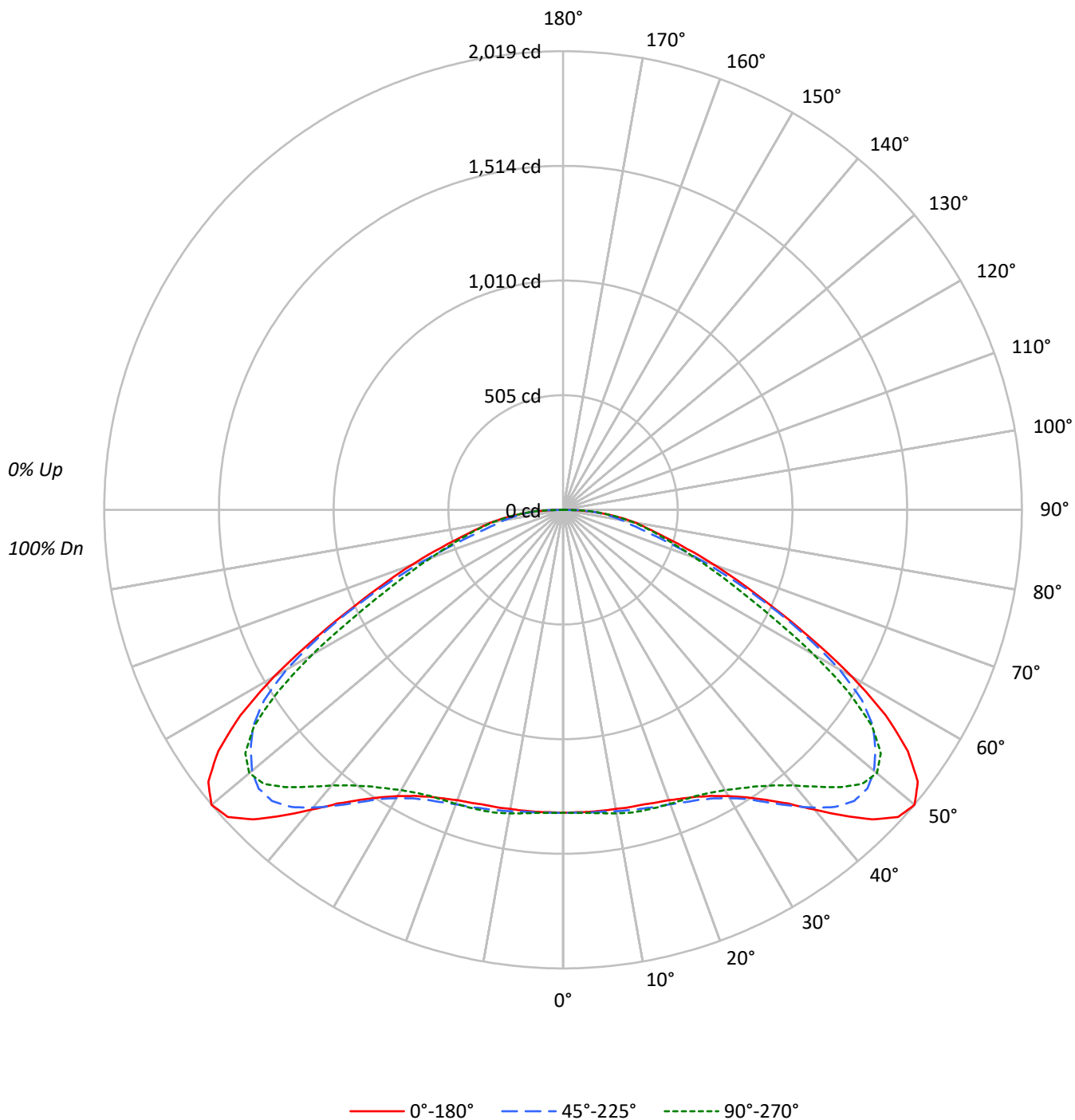
Lumens per Lamp: N/A
Luminaire Lumens: 6657.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1526921

CATALOG NUMBER: 24CGTX-65-A125-L835

Luminous Intensity Polar Plot





TEST NUMBER: P1526921

CATALOG NUMBER: 24CGTX-65-A125-L835

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	108	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82						
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66						
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54						
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44						
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37						
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31						
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27						
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23						
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20						
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1794	1794	1794
5°	1803	1806	1809
10°	1827	1841	1853
15°	1872	1896	1909
20°	1947	1976	1972
25°	2069	2093	2062
30°	2260	2276	2213
35°	2560	2582	2440
40°	3026	3006	2782
45°	3667	3448	3285
50°	4227	3740	3773
55°	4345	3907	3894
60°	3948	3775	3427
65°	3266	3207	2796
70°	2789	2512	2430
75°	2415	2001	2301
80°	2500	2027	2421
85°	2527	2438	2686

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4349 cd/sqm

TEST NUMBER: P1526921

CATALOG NUMBER: 24CGTX-65-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	1.9
10°-20°	386.0	5.8
20°-30°	652.0	9.8
30°-40°	981.5	14.7
40°-50°	1395.6	21.0
50°-60°	1497.8	22.5
60°-70°	976.1	14.7
70°-80°	469.3	7.1
80°-90°	170.8	2.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1165.9	17.5
0°-40°	2147.4	32.3
0°-60°	5040.8	75.7
0°-90°	6657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1335	1336	1337	1342	1339	127
15°	1344	1351	1361	1369	1370	382
25°	1394	1406	1410	1397	1389	649
35°	1558	1588	1572	1519	1486	989
45°	1927	1880	1812	1765	1727	1479
55°	1852	1805	1666	1617	1660	1620
65°	1026	1018	1007	899	878	1038
75°	464	439	385	438	443	510
85°	164	153	158	162	174	178
90°	0	0	0	0	0	

TEST NUMBER: P1526921

CATALOG NUMBER: 24CGTX-65-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1333.6	1333.6	1333.6	1333.6	1333.6
2.5°	1332.4	1333.6	1334.7	1335.9	1335.9
5°	1334.7	1335.9	1337.0	1341.6	1339.3
7.5°	1335.9	1337.0	1340.5	1347.4	1347.4
10°	1337.0	1340.5	1347.4	1354.3	1356.6
12.5°	1341.6	1345.1	1354.3	1363.5	1365.8
15°	1343.9	1350.9	1361.2	1369.3	1370.4
17.5°	1352.0	1358.9	1370.4	1373.9	1373.9
20°	1360.1	1369.3	1379.7	1379.7	1377.4
22.5°	1375.1	1385.4	1393.5	1386.6	1382.0
25°	1393.5	1406.2	1409.6	1397.0	1388.9
27.5°	1420.0	1436.1	1431.5	1414.2	1403.9
30°	1454.6	1475.3	1465.0	1439.6	1424.6
32.5°	1500.7	1526.1	1508.8	1476.5	1453.4
35°	1558.3	1588.3	1572.2	1519.1	1485.7
37.5°	1629.8	1660.9	1641.3	1573.3	1528.4
40°	1723.1	1739.3	1711.6	1637.9	1583.7
42.5°	1824.6	1816.5	1773.9	1705.9	1652.8
45°	1927.2	1879.9	1811.9	1764.6	1726.6
47.5°	2000.9	1913.3	1816.5	1792.3	1785.4
50°	2019.4	1906.4	1786.5	1777.3	1802.7
52.5°	1967.5	1869.5	1732.4	1716.2	1762.3
55°	1852.2	1805.0	1665.5	1617.1	1659.8
57.5°	1682.8	1679.3	1559.5	1473.0	1484.6
60°	1467.3	1481.1	1402.7	1280.5	1273.6
62.5°	1234.4	1242.5	1207.9	1081.1	1056.9
65°	1025.8	1017.8	1007.4	899.0	878.3
67.5°	854.1	829.9	813.7	748.0	737.7
70°	708.9	670.8	638.5	628.2	617.8
72.5°	574.0	546.3	494.5	523.3	522.1
75°	464.5	439.1	385.0	438.0	442.6
77.5°	380.4	363.1	311.2	359.6	374.6
80°	322.7	287.0	261.6	292.8	312.4
82.5°	246.7	219.0	213.2	225.9	244.4
85°	163.7	153.3	157.9	162.5	174.0
87.5°	83.0	88.8	95.7	103.7	109.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526921

CATALOG NUMBER: 24CGTX-65-A125-L835

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.4	20.2	18.8	20.5	20.8	17.5	19.3	17.9	19.6	19.9
	3H	19.5	21.1	19.9	21.5	21.8	18.7	20.3	19.0	20.6	21.0
	4H	19.9	21.4	20.3	21.8	22.2	19.1	20.6	19.5	21.0	21.4
	6H	20.3	21.7	20.7	22.1	22.4	19.6	21.0	20.0	21.3	21.7
	8H	20.4	21.8	20.9	22.2	22.6	19.8	21.1	20.2	21.5	21.9
	12H	20.6	21.9	21.0	22.3	22.7	19.9	21.2	20.4	21.6	22.0
4H	2H	18.8	20.4	19.2	20.7	21.1	18.1	19.6	18.5	20.0	20.3
	3H	20.1	21.4	20.5	21.8	22.2	19.4	20.7	19.8	21.1	21.5
	4H	20.6	21.8	21.0	22.2	22.6	20.0	21.1	20.4	21.6	22.0
	6H	21.1	22.1	21.6	22.6	23.0	20.6	21.6	21.0	22.0	22.5
	8H	21.3	22.3	21.8	22.7	23.2	20.8	21.8	21.3	22.2	22.7
	12H	21.5	22.4	22.0	22.9	23.3	21.1	21.9	21.5	22.4	22.9
8H	4H	20.8	21.7	21.2	22.2	22.6	20.2	21.1	20.6	21.6	22.0
	6H	21.4	22.2	21.9	22.7	23.1	20.9	21.7	21.4	22.2	22.6
	8H	21.7	22.4	22.2	22.9	23.4	21.2	22.0	21.7	22.5	23.0
	12H	22.0	22.6	22.5	23.1	23.7	21.6	22.2	22.1	22.7	23.3
12H	4H	20.8	21.7	21.3	22.1	22.6	20.2	21.1	20.7	21.6	22.0
	6H	21.4	22.2	22.0	22.6	23.2	21.0	21.7	21.5	22.1	22.7
	8H	21.8	22.4	22.3	22.9	23.5	21.4	22.0	21.9	22.5	23.1















(END OF REPORT)